

Title (en)

Heat seamable flame retardant roof sheeting with highly crystalline thermoplasticity promoters and method for covering roofs.

Title (de)

Hochkristalliner thermoplasticitätspromotor enthaltendes Dachabdeckungsmaterial und Verfahren zur Dachabdeckung.

Title (fr)

Matériau pour revêtements de toits ignifuges soudables à chaud contenant des promoteurs de thermoplasticité très cristallins et procédé pour recouvrir les toits.

Publication

EP 0586904 A1 19940316 (EN)

Application

EP 93112736 A 19930809

Priority

US 92673792 A 19920810

Abstract (en)

A heat seamable flame retardant sheet material for roofing prepared from an uncured polymeric composition of matter which comprises 100 parts by weight of a polymer blend comprising from about 50 to 90 parts by weight of halogenated polyolefins having up to about 2 percent by weight crystallinity, which polyolefins are prepared from monomers having at least 2 carbon atoms, and mixtures thereof and from about 10 to 50 parts by weight of a highly crystalline thermoplasticity promoter selected from the group consisting of polymeric olefins prepared from monomers consisting of at least two carbon atoms; from about 50 to 250 parts by weight of a filler selected from the group consisting of reinforcing and non-reinforcing materials and mixtures thereof per 100 parts of the polymer blend; from about 20 to 105 parts by weight of a processing material and mixtures thereof, per 100 parts of the polymer blend; and from about 15 to 90 parts by weight of an additive selected from the group consisting of flame retardant materials and mixtures thereof, per 100 parts of the polymer blend. A method for covering a roof comprises the steps of applying layers of sheet material as described above to the roof being covered; overlapping adjacent edges of the layers; heating the overlapped areas to slightly above the softening point of the sheet material and seaming the overlapped areas using heat and sufficient pressure to provide an acceptable seam, the composition of matter having sufficient self-adhesion without the use of an adhesive.

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C08L 23/28

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CPC (source: EP US)

C08K 3/013 (2017.12 - EP US); **C08L 23/28** (2013.01 - EP US); **E04D 5/06** (2013.01 - EP US)

Citation (search report)

- [A] WO 9109903 A1 19910711 - DOW CHEMICAL CO [US]
- [A] EP 0293059 A2 19881130 - DU PONT [US]

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GB2361485A; EP0955424A1; US6554892B1; US6758895B2; WO2014168998A1

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